



Redstone Test Center



In insensitive Munitions Testing

In insensitive Munitions Testing at RTC is conducted (IAW MIL-STD-2105) at Test Area 4. Our engineers and technicians obtain data for hazards classification and safety assessments of rocket motors and explosive components. In insensitive munition testing includes multiple caliber bullet impact testing, fragment impact, live munitions drop testing, slow and fast cook-off tests, warhead arena tests, sympathetic detonation, shaped charge jet and spall impact, and vulnerability and survivability tests. Five test pads are remotely located in the test area supported by an equipped blockhouse with high speed digital control and data acquisition systems. Test pads are configured to ensure maximum safety for tests.

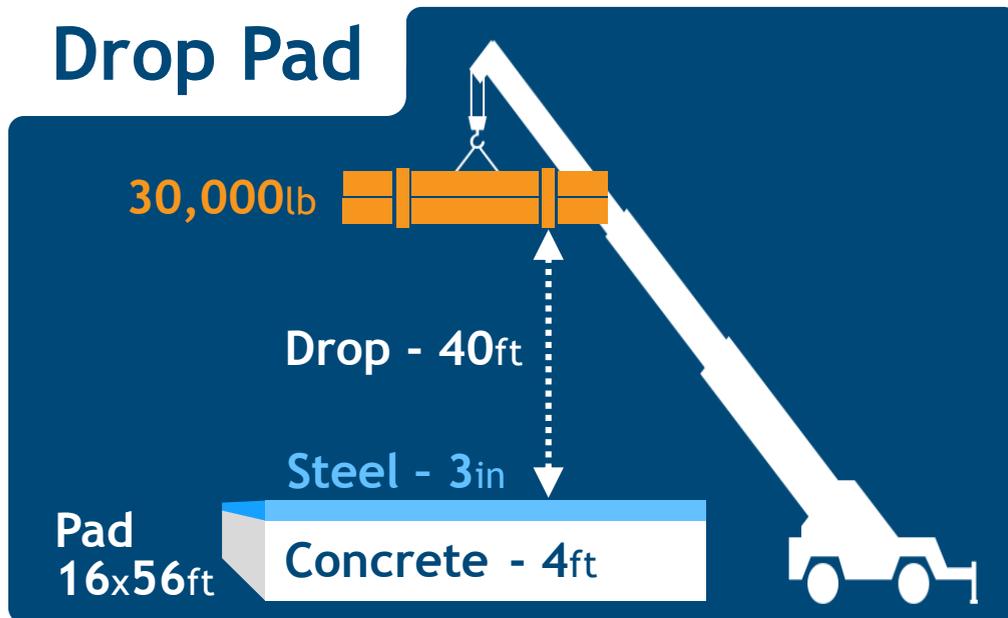
Core Competencies

- Slow Cook Off Testing
- Fast Cook Off Testing
- Bullet Impact Testing
- Fragment Impact Testing
- Shaped Charge Impact Testing
- Sympathetic Detonation (confined and unconfined)
- 40ft Drop Tests
- Arena Testing
- All other Hazard Classification and In sensitive Munitions (IM) testing

Capability Highlight

Fast Cook Off - TA4 has the largest permanent fast cook off pan in the Army. The pan is 50ft x 70ft and surrounded by a concrete retaining wall that allows us to surround the pan by water that keeps it cool during testing and allows it to be reused. Currently we have conducted tests with up to 30,000 gallons of JP8.

Drop Pad



Drawing not to scale